APR 1 1 2005

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 1 of 12

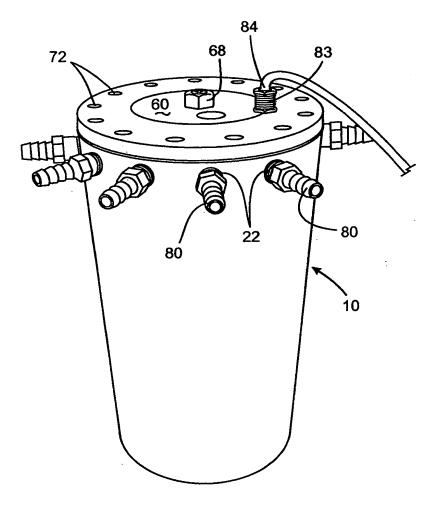


FIG. 1

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 2 of 12

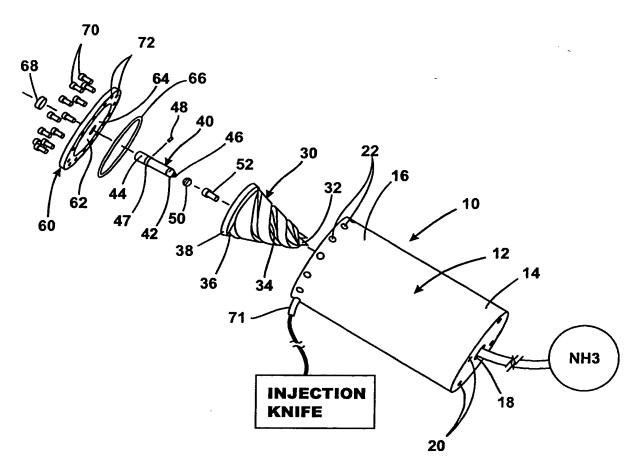


FIG. 1B

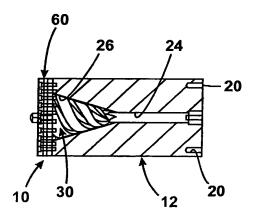


FIG. 1C

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 3 of 12

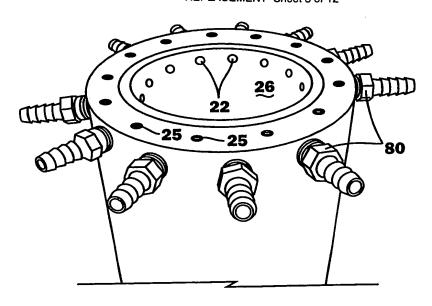


FIG. 2A

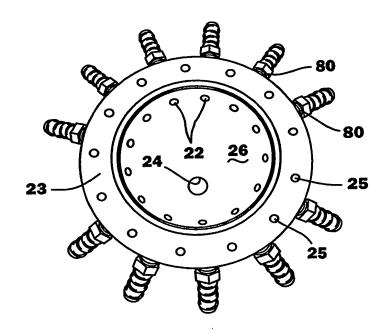


FIG. 2B

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 4 of 12

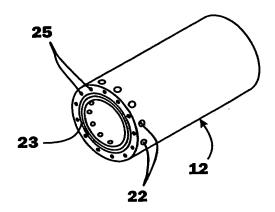


FIG. 2C

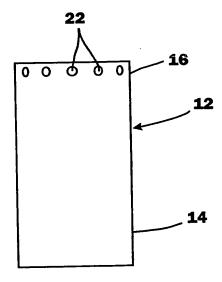


FIG. 2D

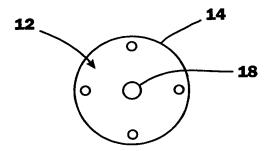


FIG. 2E

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 5 of 12

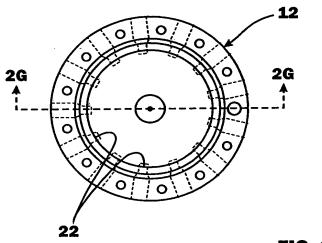


FIG. 2F

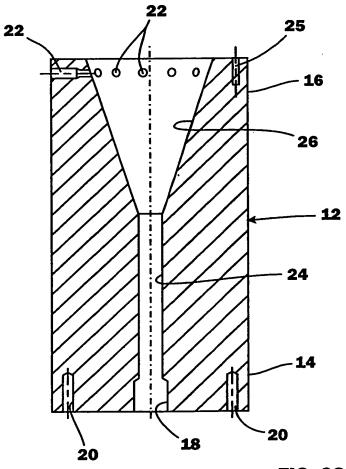


FIG. 2G

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 6 of 12

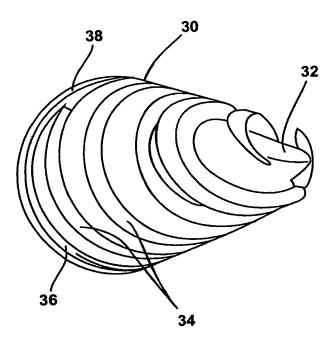


FIG. 3A

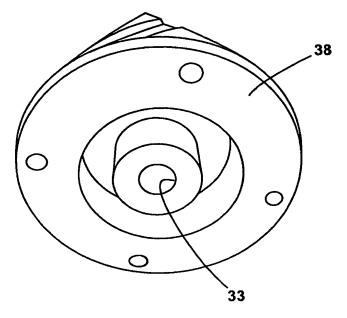
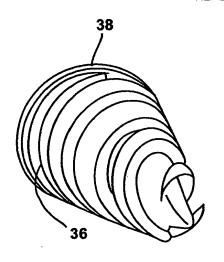


FIG. 3B

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 7 of 12



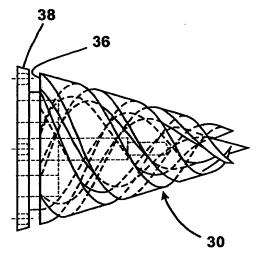
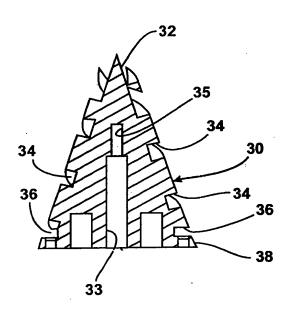


FIG. 3C

FIG. 3D



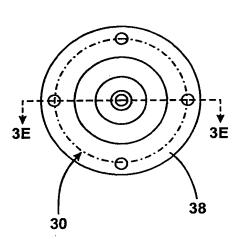


FIG. 3E

FIG. 3F

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 8 of 12

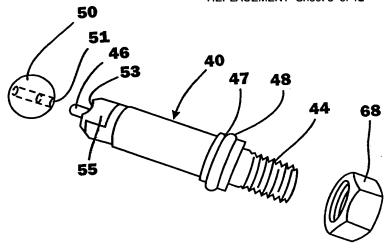


FIG. 4A

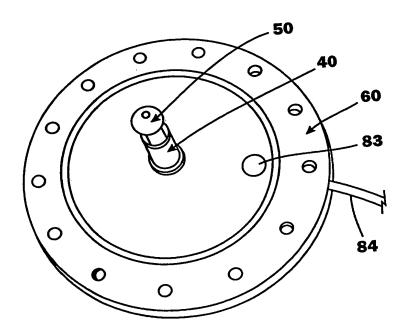


FIG. 5

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION REPLACEMENT Sheet 9 of 12 FIG. 4B FIG. 4C FIG. 4D FIG. 4E FIG. 4F FIG. 4H

FIG. 4G

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF
REDUCING ANHYDROUS AMMONIA
APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 10 of 12

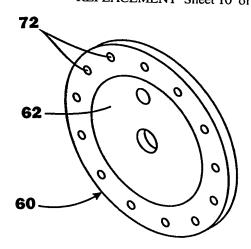


FIG. 6A

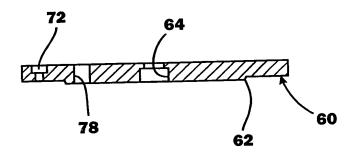
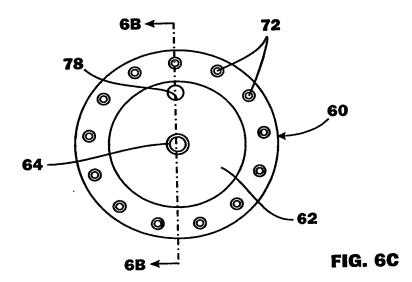


FIG. 6B



Applicant: **HANNA**, H. Mark, et al.
Attorney Docket No. **P05703US01**Title: APPARATUS AND METHOD OF REDUCING ANHYDROUS AMMONIA APPLICATION BY OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 11 of 12

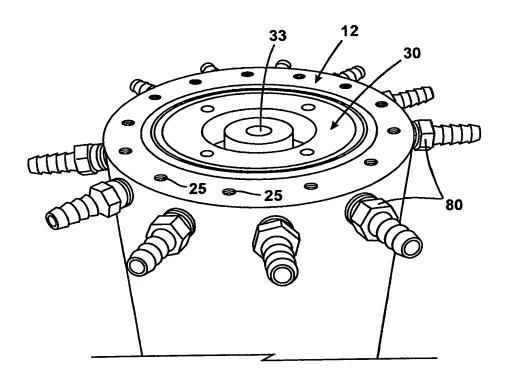


FIG. 7

Applicant: HANNA, H. Mark, et al.
Attorney Docket No. P05703US01
Title: APPARATUS AND METHOD OF REDUCING
ANHYDROUS AMMONIA APPLICATION BY
OPTIMIZING DISTRIBUTION
REPLACEMENT Sheet 12 of 12

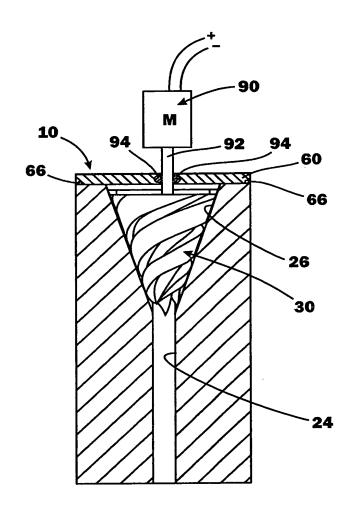


FIG. 8